

Neosho County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors 6/27/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 21 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Neosho County economy.¹

These 21 sectors have a total direct output of approximately **\$127.6 million** and support **806 jobs** in Neosho County. Running the model for all 21 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Neosho County Economy					
Contribution Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵
Direct Effect	805.7	8.36%	\$35,627,184	6.19%	\$127,565,926
Indirect Effect	128.6	1.33%	\$9,113,731	1.58%	\$18,526,608
Induced Effect	55.0	0.57%	\$3,324,144	0.58%	\$6,240,613
Total Effect	989.3	10.26%	\$48,065,059	8.35%	\$152,333,147

As shown in the above table, agriculture, food, and food processing sectors support **989 jobs**, or **10.26%** of the entire workforce in the county.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 21 agriculture, food, and food processing sectors is approximately **\$48.1 million**, or **8.35% of the GRP**.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

¹ Article on building a contribution analysis in IMPLAN that avoids double counting:

<https://implanhelp.zendesk.com/hc/en-us/articles/115002801513-Considerations-of-Contribution-Analysis>

² Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

³ Value added = labor income + indirect business taxes + other property type income.

⁴ GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

⁵ Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **553 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Neosho County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	552.9	\$47,573,747
Grain farming	67.4	\$18,547,367
Wholesale trade	37.8	\$6,843,025
Oilseed farming	28.8	\$22,909,632
Landscape and horticultural services	25.6	\$1,398,317
Support activities for agriculture and forestry	21.3	\$377,897
Truck transportation	20.7	\$2,987,416
All other crop farming	20.3	\$1,194,361
Sawmills	15.9	\$3,740,208
Veterinary services	15.6	\$1,516,560

The beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector directly contributes approximately **\$47.6 million** to the Neosho County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	552.9	\$47,573,747
Oilseed farming	28.8	\$22,909,632
Grain farming	67.4	\$18,547,367
Other animal food manufacturing	14.4	\$16,571,778
Dog and cat food manufacturing	6.2	\$7,300,355
Wholesale trade	37.8	\$6,843,025
Sawmills	15.9	\$3,740,208
Truck transportation	20.7	\$2,987,416
Monetary authorities and depository credit intermediation	10.8	\$2,118,526
Veterinary services	15.6	\$1,516,560

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Neosho County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	28.8	\$22,909,631.73
Grain farming	67.4	\$18,547,367.10
Vegetable and melon farming	0.9	\$197,243.30
Fruit farming	1.0	\$94,673.49
Tree nut farming	0.8	\$128,797.89
Greenhouse, nursery, and floriculture production	8.1	\$1,350,244.52
All other crop farming	20.3	\$1,194,360.97
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	552.9	\$47,573,745.73
Dairy cattle and milk production	2.8	\$1,187,118.53
Poultry and egg production	0.8	\$653,701.01
Animal production, except cattle and poultry and eggs	13.0	\$1,234,192.37
Commercial hunting and trapping	0.9	\$18,155.12
Support activities for agriculture and forestry	21.3	\$377,896.96
Dog and cat food manufacturing	6.2	\$7,300,354.96
Other animal food manufacturing	14.4	\$16,571,777.34
Animal, except poultry, slaughtering	1.0	\$619,732.86
Bread and bakery product, except frozen, manufacturing	7.6	\$880,408.88
Frozen cakes and other pastries manufacturing	0.5	\$71,437.19
Sawmills	15.9	\$3,740,207.91
Veterinary services	15.6	\$1,516,559.72
Landscape and horticultural services	25.6	\$1,398,317.10

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Neosho County, the retail sector was omitted.